Trajectory and Fates Mode

surface oil. The fate processes simulated are spreading, evaporation, entrainment The trajectory and fates mode of operation predicts both the movement and weathering of emulsification and shoreline stranding,

crude and refined oil products. characterization allows the model to accurately predict the weathering of a wide variety of the user from a library of oil types, is characterized by its boiling point curve. Each spillet is transported and weathered independently. The oil composition, selected by Either instantaneous or continuous spills with a constant oil release rate can be simulated.

Stochastic Mode

the weathering processes in the trajectory and fate model. only the environmental conditions at the time of the spill. The stochastic model includes all In the stochastic mode, a user-specified number of spill simulations are executed varying

year). Historical wind records from regional meteorological stations can be used, or the The spill release occurs at random times over a period of time (by month to over an entire model can generate wind time series from zero- or first-order statistical wind distributions.

oil will move from the site and where it will impact land. Simulation results enable the user specified release site. The probability contours form an envelope showing the direction(s) contours showing the probability of land and water areas being impacted by oil spilled at the The multiple trajectories predicted by the stochastic model are summarized as probability to assess potential extent of the area at risk for that seasonal period.

Application Of Oilmap Model To Spill Scenarios

Oil Spill Scenario

Facility. These parameters for the spill risks are summarized in the following table: sensitivity Analysis evaluated the potential risk from the RWCD spill at the Martinez The Reasonable Worst Case Discharge (RWCD) scenario identified by the Oil Spill Contingency Plan was used to evaluate the potential impact on the shoreline. The

Shore Mart-3v2

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